

# NEWS OF ROBERTSON'S AUTO OILS AND AS.

Frequent Washings With Soda the Best Way to Prevent the Farming of Sediment That Injures the Cylinder Walls of Engines.

JUST as in a steam boiler, in which the use of water containing considerable lime and similar impurities forms the ever-troublesome scale, so in the water jackets of a gas engine the same condition produces the same results. In both cases the most injurious symptom is the reduced heat-conducting capacity of the metal walls. The cylinder walls of gas engines become overheated because the water in the jacket cannot absorb the heat as intended; consequently, the engine will eventually fail to function and may be seriously injured. The only remedy for this condition is to wash out the jacket thoroughly with a solution capable of dissolving the scale. The best method is as follows:

Dissolve as much soda or an ordinary washing soda as can be absorbed in enough water to fill the cooling system. After draining off the water already in the jackets and radiator, replace it with this soda solution and run the engine with spark retarded until the solution reaches the boiling point. Then stop the engine, and after several hours, drain off the solution and all the slush that will come with it. The system should then be well flushed out with clean water. There is no way to prevent the formation of scale and muddy deposits unless one can contrive to use rain water in the circulating system of his engine. When this is impractical the jackets should be cleaned out thoroughly in the above described manner.

Have a 1917 Ford which has run about 1,200 miles and am having some trouble with the first cylinder. I cleaned the spark plug, but after running five miles further discovered that the plug was black again? When this happens the engine jumps and runs irregularly. Have cleaned out cylinder with carbon remover and also put in new plug. Will you kindly inform me of the cause and the remedy? HERBERT WORKER.

The cause of your spark plug trouble is due to oil getting by the piston and piston rings in larger quantities than it should. Rent or install new piston rings, as the old ones are broken or badly worn. Possibly the piston ring slots are all in line; if this is the case, reset the rings so that the slots are not opposite.

What is an airless tire? Is it made of solid rubber and does it reduce speed as do solid tires? What are the advantages of airless tires? What do you think of a correspondence course for learning the automobile business?

An airless tire is one that is not pneumatic. The average airless tire is made up of a solid tread, having on the interior a cellular structure supposed to be as resilient as a pneumatic tire and may be applied to the same rim usually as the pneumatic tire is applied to. The correspondence course should be a good theoretical knowledge of the automobile business.

What will the valve and valve seat look like when they are ground in? Is there any way of testing same before cylinder head is returned? If spark plug does not fit tight will this cause more oil to leak than it should?

A properly ground valve and valve seat show a uniform gray color, smooth and free from ridges, grooves, and pits. A black speckle, a badly fitting spark plug has no connection with oil leaking by the piston rings.

Can you advise me how to run a Ford car about speeds, hand lever, foot clutch, reverse and brake?

The hand lever applies the brakes on the rear wheels, at the same time throwing out the clutch. The left hand pedal when pushed ahead gives the low speed. When back it gives the high speed. The middle pedal is the reverse. The right hand pedal is the foot brake.

I have on my car a carburetor which gives very good satisfaction when the engine is running and pulling, but I cannot get engine started without opening the exhaust valve and turning the engine. The carburetor has no primer.

If you will have some form of air shut-off installed in your carburetor, or in the hot air pipes connection you will be able to start your motor with much less difficulty.

My 1918 Overland, four cylinder, cannot do better than ten miles on a gallon of gas. Do you think the trouble is in the carburetor?

The trouble may be caused by the carburetor being incorrectly adjusted. Have it readjusted, giving it a little

## A RAW, SORE THROAT

Eases Quickly When You Apply a Little Mustrale.

And Mustrale won't blister like the old-fashioned mustard plaster. Just spread it on with your fingers. It penetrates to the sore spot with a gentle tingle, loosens the congestion and draws out the soreness and pain. Mustrale is a clean, white ointment made with oil of mustard. It is fine for quick relief from sore throat, bronchitis, tonsillitis, croup, stiff neck, asthma, neuralgia, headache, congestion, pleurisy, rheumatism, lumbago, pains and aches of the back or joints, sprains, sore muscles, bruises, chilblains, frostbite, colds of the chest. Keep it handy for instant use and 60c jars; hospital size \$2.50.

WILL NOT BLISTER

## Giants Lack Young Blood This Season; Will Need Flying Start to Win Pennant

Absence of Herzog and Robertson Will Be Felt, and the Probable Drafting of Kauff Will Weaken Outfield—McGraw Thinks Ross Young Making of Another Ty Cobb or Speaker—Hardest Contention in Pennant Race Is Expected from Matty's Reds.



ROSS YOUNG  
(Special to The Evening World.)  
MARLIN, Tex., March 30.

AFTER looking over the Giants for the last fortnight one becomes impressed with the fact that the 1918 Giants will have a harder fight to retain their championship this year than they had to win the National League title in 1917. The team still is a strong one, collectively as well as individually, but it is doubtful if the club is as powerful as it was a year ago. It still is the best bet in the National League, but a fast, aggressive team might give it a lot of trouble.

The loss of Herzog and Robertson will naturally be felt, while in all probability Benny Kauff will be in the National Army before the season is far advanced. Benny, knowing that he may spend an indefinite period in the khaki uniform of Uncle Sam, is not likely to have the care-free mind with which he has faced pitchers in the past.

On Herzog's 1917 form it must be admitted that it would not take much playing on Doyle's part to come up to Charley's standard of last season. However, despite all one may say against Herzog, he always put a vital spark into the Giants which appeared missing during the periods that he played with other clubs.

Physically Doyle is in great shape. He was down to playing weight when he reported, and the ankle which gave him so much trouble during the season and a half with the Cubs appears to be as strong as ever. Doyle is running well, and certainly should hit well over Herzog's 1917 average of .335.

But on the other hand, Larry Ross no longer has the snap he had four or five years ago. Despite the fact that he is only thirty-one years of age, he is starting his twelfth season in the National League, and is well past the zenith of his career. Even in the interteam games Doyle has been hitting high.

It is possible that the loss of Robertson may be a blessing in disguise. Robertson's place will be taken by Ross Young, the dazzling young Texasian, who set the International League on its last season. McGraw recently made the remark: "BY THE TALKING YOUNG IS PLAYING NATIONAL LEAGUE BALL FOR A MONTH NEITHER ROBERTSON NOR ANY ONE ELSE COULD TAKE THE POSITION FROM HIM." THE MAKINGS OF A COBB OR A SPEAKER.

Young appears to be Dixie's latest contribution to the great outfielders of baseball. Georgia is sponsor for Ty Cobb, South Carolina for Joe Jackson, Speaker hails from Texas, and Clyde Milan from Tennessee. Texas is to have a new candidate for high honors in Young, who is only twenty, full of pep, youthful vigor and ambition. There is nothing on a ball club he cannot do—run, hit, field, and he has that wonderful baseball instinct that characterizes the real star big leaguer. On the track he is a ten second man in a hundred yards. He would be as much of a success at second base as he has proved to be in the outfield, but McGraw has decided that he will do the club the



LARRY DOYLE  
(Copyright, 1918, by The Evening World.)

most good in company with Kauff and Burns. THE GIANT LEADER SAYS HE IS SUCH A PLAYER AS COMES UP ONLY ONCE IN A DOZARD.

There is another reason why Young should prove a most valuable factor on the team. He brings youth, and the Giants are a veteran club; if there ever was one. It is the oldest club in the league in years as well as in point of service. A youth like Young goes about his work in a different way than many of these veterans. He has all the world to conquer; many of the players here live in glories of the past.

The outfield of Burns, Kauff and Fletcher is Zimmerman, on paper, does not look as strong as the Hohe, Herzog, Fletcher and Zimmerman combination when this quarter started the 1917 season. Three of these men are past thirty years of age. Fletcher, however, looks as good as he ever did and is just as full of pep. Zimmerman also has appeared at his best down here and has been hitting the ball hard. However, even the Giants pitcher himself will have to stand for a awful lot of riding around the National League circuit this year. He will have to stand the gaff that Fred Merkle had to go through in 1909 after the famous home play of 1908, what Fred Snodgrass had to endure after the 1912 world's series and the violence which were hurled at Benny Kauff the first year he appeared in the National League.

How Zimm will bear this riding remains to be seen. The way the Chicago fans booed him in the world's series certainly was not help to him. Last October, when he made only three hits in the six blue ribbon games with the White Sox.

TEAM BADLY IN NEED OF A UTILITY INFILDER. Unless the Giants can pick up an infielder from some other team McGraw will be poorly supplied with utility infielders. Of the collection down here only Rodriguez, the Cuban, looks as though he may hold on, but it is a question whether Joe could hit his long range pitching. Then, one can hardly how he would fare if called upon to play second or third, unusual positions. Rodriguez heretofore always played first base.

Leo McCarthy, first catcher of the team, has been bounding into conviction very slowly, and early in the season his throws were very feeble. However, he has put more strength in his throws during the last week and may be in fair shape by opening day. The probabilities are that McCarthy will do much of the catching on the Post Grounds until the weather becomes real warm.

Burden, who has caught over 100 games a season for the last four years, has been working like a beaver here, and should have a big season. However, Bill also belongs to the veterans, and has been in the big leagues since 1909.

The pitchers look like the strongest department of the club. McGraw starts with his three fine left-handers, Sallee, Schupp and Benton, who should be in the back of his mind. THOUGH SALLIE IS STARTING HIS ELEVENTH SEASON IN THE BIG LEAGUES HE NEVER LOOKED BETTER. He has been travelling in the Texas summer, and has been one of the first pitchers to open up. Schupp has been bothered somewhat with a sore shoulder, but this should work out for him. He is a younger pitcher reaching the height of his career, and should be the pitching headline of the Giants for many years to come.

Benton reported at Hot Springs, Ark., with quite a little extra baggage, but has been getting it off on a strong comeback. He has been what might be called this. Burns showed what he could do in the world's series, when he stopped the rest of the Giants and put New York back in the fight.

The addition of Barnes to the right-handers strengthens that department and gives McGraw another dependable right-hander to help out. Sallee, Schupp and Benton, with Perry and Tressau, with Anderson and Demaree, the other right-handers, in reserve. Jesse Barnes is a slender fellow, under weight at present, but he says he always takes on flesh during the season. He is one of those wiry fellows who can stand a bunch of work. Last season Sallee worked him in fifty games.

Tressau is likely to prove the big surprise of the Giant pitching staff. He just started to slip last season, and for quite a stretch McGraw did not attempt to start him and pitched him only in emergencies. However, it looks as though Tressau will put

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## Col. Miller Comes to Town Like Circus, Seeking Bids For Willard-Fulton Bout

Champion's Representative at Hotel Astor Reception Volunteers Information That Big Jess Will Hereafter Defend Title Against All Comers—Is Inclined to Favor Offer of New Haven Club and Would Like to Use Yale Bowl.

By Alex. Sullivan.  
COL. J. C. MILLER of Tulsa, Oklahoma, just can't keep out of the circus business. Recently the tall Westerner announced that he was through with the sawdust ring life for good, but judging by the result of the first day of his stay in this city he is not yet done with freaks and the like.

It was just like a circus in his room in the Hotel Astor. The morning papers had hardly left the press before the phone bell in his room started ringing, announcing the visit of real promoters, near promoters and would-be promoters. All day long the carpet in the hall approaching his room on the fourth floor was under a terrific wear and tear because of the filing in and out of sportsmen who professed they desired to stage the Willard-Fulton bout, which the two heavyweights have signed articles of agreement for, and which will take place "somewhere in the United States" on the fourth of July.

One of the startling things that Col. Miller announced was that in the future Willard intended to dispose of his contenders for his title as fast as they came along. He thought that by meeting Fred Fulton, the giant Rochester, Minn., fighter, with the impressive knockout record, as a starter, he would draw the public that he meant real business.

Col. Miller talks in the fashion you imagine that W. S. Hart ought to talk in the thrilling movies that he appears in, or the way that they sometimes talk in those Western dramas.

The Colonel has a closely-cropped mustache streaked with gray, slightly wavy hair, and is almost a six-footer of about fifty-five years of age. The new sporting figure is what you might term a typical circus man. He is loaded down with all the "junk" that circus men are wont to display. He has a diamond pin in his tie, with a stone as big as a bird's egg. On his finger he has a diamond ring that must weigh his hand to become numb at times because of its weight. He has a big diamond-studded Elk's charm on his heavy gold chain and a watch of the same material that is studded with diamonds.

You might call Col. Miller the "Diamond King" and you'd not be far away from the truth. He also wears a watch chain and a watch of the same material. He is a very fussy fellow, and he is very fussy whether or not they are pressed. While the Colonel was telling about

## Fistic News John Pollock and Gossip

Jack Reddy, the big fight promoter of St. Paul and Minneapolis, and also the new manager of Billy Miller, the crack heavyweight of St. Paul, certainly intends to put Billy against real good fighters, as he has so far signed him up for three stiff battles. His first will be with Tom Cowley at the Minneapolis A. C. on Thursday night, Gunboat Smith at Atlanta, Ga., on April 19, and Jack Dempsey at the Capitol City A. C., Jacksonville, Fla., on April 25. All three bouts will be of ten rounds duration.

Owing to the fact that Johnny Dundee had his eye out while being with his manager, George M. Starnes, Dundee's manager, Jimmy Donnelly, has asked Alex. McGraw, manager of the Army A. C. of Boston, to loan him John's twelve round go with Jimmy Duffy, the crack lightweight, at the New Haven A. C. on April 25. Dundee and the new man in his recent bout with Willie Jackson at New Haven.

A match was arranged last week between two colored heavyweights. The big newcomers who will take part in it are Bill Tate and Bill Norfolk. Tate, a former champion of the Federal A. C. of Baltimore, scored the win in a two-round go at his own on the night of April 22. As both men are amateur fighters, they ought to furnish a very interesting war.

Joe Rivers, the Mexican lightweight of Los Angeles, must have been a good fighter in a four-round bout with Eddie Abernethy at San Diego, Cal., a few nights ago. Abernethy gave him such a beating that he was just able to last out the round. Rivers has been defeated in most battles in the last twelve months, and the chances are that he will now announce his retirement from the ring.

Bill Brennan, the Chicago heavyweight, will be unable to fight for at least two weeks. He was injured in his two games in his battle with Jack Dempsey at Milwaukee several weeks ago and the prognosis was that the break was so bad that it would take at least two months to get him back on his feet. At present, Bill is walking around with a brace.

What promises to be a slugging battle will be the second go between Freddie Burdett of Brooklyn and Jack Stearns of Alhambra, Pa., which is slated to be fought at the National A. C. of Philadelphia tonight. Both men have great talent in dealing into an opponent, and as the go will only be a short distance away, they will certainly give each other from the top of the ring.

If Knockout Brennan, the Buffalo middleweight, can get an extra furlough from camp, he will be able to fight for at least two weeks. He was injured in his two games in his battle with Jack Dempsey at Milwaukee several weeks ago and the prognosis was that the break was so bad that it would take at least two months to get him back on his feet. At present, Bill is walking around with a brace.

Joe Christie, the Milwaukee middleweight, who has been out of the ring for a long time, will be back in the ring on Wednesday night at London, Pa., where he will go against the slugger Fitzsimmons for the middle of a big exciting bout. There is some talk of a fight at the same place in February, but Christie claims it off on account of a heavy cold.

Jack Shearer, the crack west side bantam, has been matched for another fight. He will meet

his plans for the big fight he sat in one of the armchairs in his room, surrounded by the almost assortment of promoters. He had a penknife in his left hand, and as he talked in his breezy drawl he kept opening and shutting it.

When a promoter arrived on the scene that looked as though he meant real business, Col. Miller took him outside in the hall and privately listened to his proposition.

Among the callers were Sam McCrackin, who, with Tex Rickard, promoted the Willard-Moran match in Madison Square Garden; like Morgan, Moran's manager; Tom O'Rourke, the famous fight manager and promoter; Jack Bulger, Dave Ryan, Herman H. Moss and numerous others.

The Colonel after all the day's bids had been digested said that the proposition that he received from Jack Bulger and Dave Ryan looked like the best.

"If Bulger and Ryan can do what they say they can, it is practically settled that the fight will take place in New Haven, maybe in the Yale Bowl, over the twenty-round route to a decision next July 4. I couldn't even consider the proposition made me by Mr. Moss, manager of the Vanderbilt Theatre, and other promoters, who wanted to stage the fight in New Jersey, as eight-round bouts only will be allowed there, and Jess insists that the fight be fifteen rounds or more."

"I want to assure everybody that Jess insists on defending his title as fast as a worthy opponent develops. Therefore, no six-round events, as would have to be held in Philadelphia, or eight-round battles, as would have to take place in New Jersey, can be considered for a moment. Many offers have been received from the West, many from tank towns, which hope to find a place on the map by making an offer."

"Terre Haute and Denver have good propositions, but it is the New Haven offer that looks best to me. Jess is now in Baltimore, disposing of horses to the Government. Some people think that he is trying to advertise himself and that he'll never fight Fulton but he seems in a circus in a few weeks. My word as a man this is not so. He is going to fight, and fight as often as I make matches for him."

"There's a fellow on one of your papers here who is all wrong regarding this match. I wish he'd come around and get acquainted with me, then he'd think different of us. I intend to stay in town until the middle of next week, and maybe by then I'll be in a position to make the offer for the bout. The club that shows the best terms, with the proper assurances that the authorities will allow the fight to take place there, will land the match."

Col. Miller expects to spend another busy day with the promoters to-day. And don't forget Col. Miller has a made private secretary with him.

Yonkers, N. Y., March 29.—(Special to The Evening World.)

Joe Jones, manager of Dave Astor, the crack New York bantam, will try to win the title from Jimmy Wells, the smallest of the ring, in a four-round bout at the National A. C. of Philadelphia tonight. Jones is in the midst of a campaign from Jack Bulger, manager of the Army A. C. of Boston, to loan him John's twelve round go with Jimmy Duffy, the crack lightweight, at the New Haven A. C. on April 25. Dundee and the new man in his recent bout with Willie Jackson at New Haven.

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